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January 5, 2005  
Mü/kin (20050004)  
Q02563US10

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Cutter bar

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Claims

1. Cutter bar of a cutting device of an agricultural machine comprising
  - a longitudinal axis (4, 104, 204, 304), along which the cutter bar is movable for cutting harvesting goods in a working direction,
  - a finger bar (1, 101, 201, 301),
  - reaping fingers (2, 102, 202, 302), attached on the finger bar (1, 101, 201, 301) and forming, respectively, counter cutting edges (11, 111, 211, 311; 12, 112, 212, 312),
  - a knife (5, 105, 205, 305), having
    - a knife bar (7, 107, 207, 307),
    - blades (8, 108, 208, 308), attached on the knife bar (7, 107, 207, 307) and having, respectively, cutting edges (9, 109, 209, 309; 10, 110, 210, 310),
    - wherein the knife (5, 105, 205, 305) is reciprocatingly guided along a transversal axis (6, 106, 206, 306) relative to the finger bar (1, 101, 201, 301), which transversal axis (6, 106, 206, 306) is transversally and horizontally arranged to the longitudinal axis (4, 104, 204, 304),
  - rollers (13, 113, 213, 313), by means of which the knife (5, 105, 205, 305) is supported on the finger bar (1, 101, 201, 301) to the rear, when seen in the working direction, wherein the rollers (13, 113, 213, 313) are, respectively, rotationally supported on a roller holder (17, 117, 217, 317) and wherein the roller holders (17, 117, 217, 317) are mounted on the finger bar (1, 101, 201, 301).

2. Cutter bar according to claim 1,  
characterised in that  
the knife bar (7, 107, 207, 307) is supported on the rollers (13, 113, 213, 313).
3. Cutter bar according to claim 1 or 2,  
characterised in that  
the knife (5, 105, 205, 305) is supported vertically downwards on the rollers (13, 113, 213, 313).
4. Cutter bar according to claim 3,  
characterised in that  
the blades (8, 108, 208, 308) are projecting in the direction to the finger bar (1, 101, 201, 301) beyond the knife bar (7, 107, 207, 307) and are supported vertically on the rollers (13, 113, 213, 313).
5. Cutter bar according to claim 3,  
characterised in that  
at least one roller (113, 213, 313) has on its circumferential face a circumferentially extending first collar (121, 221, 321), on which the knife (105, 205, 305) is supported vertically downwards.
6. Cutter bar according to claim 3 or 5,  
characterised in that  
at least one roller (313') has on its circumferential face a circumferentially extending second collar (325), on which the knife (305) is supported vertically upwards.
7. Cutter bar according to one of claims 1 to 6,  
characterised in that  
the reaping fingers (2, 102, 202, 302) and the roller holders (17, 117, 217, 317) are attached by means of a common fixing screw (16, 116, 216, 316) on the finger bar (1, 101, 201, 301).

8. Cutter bar according to claim 7,  
characterised in that  
the roller holders (217) are, respectively, attached by means of at least one fixing screw (216) of a reaping finger (202).
9. Cutter bar according to claim 7,  
characterised in that  
the roller holders (317, 317') are, respectively, arranged between two reaping fingers (301, 301', 301'') arranged next to each other, and are attached by means of fixing screws (316) of both reaping fingers (301, 301', 301'') arranged next to each other.